Thermostat Setback Controller | Model: C-HVA-42-DS00

Specifications

- DC Input Voltage - 12-24VDC
- Output Voltage - 12-24VDC + 0-10VDC
- Sensor Input Voltage - 12-24VDC
- Operating Temperature - -22° to 158°F (-30° to 70°C)
- 0-10V Dimming - 100mA Max
- Optional Power Supply
- Dimensions - 3.25" x 1.5" x 0.25"
  (82.5 x 38 x 6.35 mm)

Description

The **C-HVA-42-DS00** Thermostat Setback Controller is a Bluetooth Mesh device that activates setback temperature on any thermostat with a CCI (Closed Contact Input). Setback can be activated by vacancy sensing, a schedule or a Demand Response event.

Certifications

Installation

The installation of the Thermostat Controller is very simple. The device can be either powered by the 12VDC or 24VDC auxiliary of the thermostat or from external low voltage line. The CCO (Closed Contact Output) of the C-HVA is connected to the CCI (Closed Contact Input) input on the thermostat and all settings and logics of the C-HVA are configured via the BubblyNet app (iOS or Android).

Applications

Here's a list of popular thermostat brands and models that support CCI (Closed Contact Input) functionality:

Honeywell VisionPRO 8000 (TH8321WF1001)
Honeywell T6 Pro Z-Wave Thermostat

Johnson Controls TEC3000 Series Thermostat
Johnson Controls T2000 Series

Siemens RDG100 Series Thermostats
Siemens RDS120 Smart Thermostat

Schneider Electric SE8000 Series
Schneider Electric SmartX Living Space Thermostat

Trane XR524 Smart Thermostat
Trane ComfortLink II XL1050

Emerson Sensi Touch Wi-Fi Thermostat

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:	50ft
Outdoor (line of sight):	200ft
Indoor (through building material):	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.